

Supplementary Table 3

ABA to ST LASSO, alpha=0.1

auroc file = "ABAtoST_STall_f1_0p1_051420.csv"

AUROC >= 0.95; path length = 2			AUROC <= 0.5; path length = 2					
Brain Area 1			Brain Area 2					
id	acronym	name	parent	id	acronym	name	parent	
1005 AUDp6b		Primary auditory area, layer 6b	1002	816 AUDp4		Primary auditory area, layer 4	1002	
943 MOp2/3		Primary motor area, Layer 2/3	985	882 MOp6b		Primary motor area, Layer 6b	985	
882 MOp6b		Primary motor area, Layer 6b	985	320 MOp1		Primary motor area, Layer 1	985	
269 VISp2/3		Posterolateral visual area, layer 2/3	425	377 VISp6a		Posterolateral visual area, layer 6a	425	
1045 ECT6b		Ectorhinal area/Layer 6b	895	836 ECT1		Ectorhinal area/Layer 1	895	
AUROC <= 0.5; path length = 2								
Brain Area 1			Brain Area 2					
id	acronym	name	parent	id	acronym	name	parent	
657 SSP-m2/3		Primary somatosensory area, mouth, layer 2/3	345	950 SSP-m4		Primary somatosensory area, mouth, layer 4	345	
1114 VISal4		Anterolateral visual area, layer 4	402	233 VISal5		Anterolateral visual area, layer 5	402	
606 RSPv2		Retrosplenial area, ventral part, layer 2	886	622 RSPv6b		Retrosplenial area, ventral part, layer 6b	886	
606 RSPv2		Retrosplenial area, ventral part, layer 2	886	430 RSPv2/3		Retrosplenial area, ventral part, layer 2/3	886	
472 MEApd-a		Medial amygdalar nucleus, posterodorsal part, sublayer a	426	487 MEApd-c		Medial amygdalar nucleus, posterodorsal part, sublayer c	426	
472 MEApd-a		Medial amygdalar nucleus, posterodorsal part, sublayer a	426	480 MEApd-b		Medial amygdalar nucleus, posterodorsal part, sublayer b	426	
980 PMd		Dorsal premammillary nucleus	467	946 PH		Posterior hypothalamic nucleus	467	
980 PMd		Dorsal premammillary nucleus	467	1004 PMv		Ventral premammillary nucleus	467	
296 ACAv2/3		Anterior cingulate area, ventral part, layer 2/3	48	772 ACAv5		Anterior cingulate area, ventral part, layer 5	48	
148 GU4		Gustatory areas, layer 4	1057	187 GU5		Gustatory areas, layer 5	1057	
148 GU4		Gustatory areas, layer 4	1057	662 GU6b		Gustatory areas, layer 6b	1057	
783 Ald6a		Agranular insular area, dorsal part, layer 6a	104	1101 Ald5		Agranular insular area, dorsal part, layer 5	104	
381 SNr		Substantia nigra, reticular part	323	616 CUN		Cuneiform nucleus	323	
381 SNr		Substantia nigra, reticular part	323	757 VTN		Ventral tegmental nucleus	323	
191 AONm		Anterior olfactory nucleus, medial part	159	167 AONd		Anterior olfactory nucleus, dorsal part	159	
416 PAA2		Piriform-amygdalar area, pyramidal layer	788	424 PAA3		Piriform-amygdalar area, polymorph layer	788	
868 PBld		Parabrachial nucleus, lateral division, dorsal lateral part	881	860 PBlc		Parabrachial nucleus, lateral division, central lateral part	881	
868 PBld		Parabrachial nucleus, lateral division, dorsal lateral part	881	891 PBlv		Parabrachial nucleus, lateral division, ventral lateral part	881	
1106 VISc2/3		Visceral area, layer 2/3	677	1058 VISc5		Visceral area, layer 5	677	
628 NOT		Nucleus of the optic tract	1100	634 NPC		Nucleus of the posterior commissure	1100	
628 NOT		Nucleus of the optic tract	1100	215 APN		Anterior pretectal nucleus	1100	
105 SOCm		Superior olive complex, medial part	398	122 POR		Superior olive complex, periolivary region	398	
194 LHA		Lateral hypothalamic area	290	364 PSTN		Parasubthalamic nucleus	290	
1062 SSP-bfd6b		Primary somatosensory area, barrel field, layer 6b	329	1070 SSP-bfd5		Primary somatosensory area, barrel field, layer 5	329	
465 OT2		Olfactory tubercle, pyramidal layer	754	473 OT3		Olfactory tubercle, polymorph layer	754	
465 OT2		Olfactory tubercle, pyramidal layer	754	481 isl		Islands of Calleja	754	
1102 SSP-m6a		Primary somatosensory area, mouth, layer 6a	345	878 SSP-m1		Primary somatosensory area, mouth, layer 1	345	
1102 SSP-m6a		Primary somatosensory area, mouth, layer 6a	345	2 SSP-m6b		Primary somatosensory area, mouth, layer 6b	345	
189 RH		Rhomboid nucleus	51	575 CL		Central lateral nucleus of the thalamus	51	
694 Alv2/3		Agranular insular area, ventral part, layer 2/3	119	800 Alv5		Agranular insular area, ventral part, layer 5	119	
344 Alp5		Agranular insular area, posterior part, layer 5	111	314 Alp6a		Agranular insular area, posterior part, layer 6a	111	
965 RSPagl2/3		Retrosplenial area, lateral agranular part, layer 2/3	894	774 RSPagl5		Retrosplenial area, lateral agranular part, layer 5	894	
272 AVPV		Anteroventral periventricular nucleus	141	523 MPO		Medial preoptic area	141	
272 AVPV		Anteroventral periventricular nucleus	141	347 SBPV		Subparaventricular zone	141	
263 AVP		Anteroventral preoptic nucleus	141	286 SCH		Suprachiasmatic nucleus	141	
263 AVP		Anteroventral preoptic nucleus	141	523 MPO		Medial preoptic area	141	
263 AVP		Anteroventral preoptic nucleus	141	126 VPv		Periventricular hypothalamic nucleus, posterior part	141	
458 OT1		Olfactory tubercle, molecular layer	754	481 isl		Islands of Calleja	754	
687 RSPv5		Retrosplenial area, ventral part, layer 5	886	430 RSPv2/3		Retrosplenial area, ventral part, layer 2/3	886	
292 BA		Bed nucleus of the accessory olfactory tract	278	1105 IA		Intercalated amygdalar nucleus	278	
635 PTLp4		Posterior parietal association areas, layer 4	22	241 PTLp2/3		Posterior parietal association areas, layer 2/3	22	
683 PTLp5		Posterior parietal association areas, layer 5	22	241 PTLp2/3		Posterior parietal association areas, layer 2/3	22	
622 RSPv6b		Retrosplenial area, ventral part, layer 6b	886	590 RSPv6a		Retrosplenial area, ventral part, layer 6a	886	
622 RSPv6b		Retrosplenial area, ventral part, layer 6b	886	430 RSPv2/3		Retrosplenial area, ventral part, layer 2/3	886	
1086 SSP-tr4		Primary somatosensory area, trunk, layer 4	361	461 SSP-tr6b		Primary somatosensory area, trunk, layer 6b	361	
305 VISp6		Primary visual area, layer 6b	385	33 VISp6a		Primary visual area, layer 6a	385	
837 SUBD-sr		Subiculum, dorsal part, stratum radiatum	509	845 SUBD-sp		Subiculum, dorsal part, pyramidal layer	509	
544 CEAc		Central amygdalar nucleus, capsular part	536	551 CEAl		Central amygdalar nucleus, lateral part	536	
411 MEAd		Medial amygdalar nucleus, anterodorsal part	403	418 MEAv		Medial amygdalar nucleus, anteroventral part	403	
614 TU		Tuberal nucleus	290	173 RCH		Retrochiasmatic area	290	
614 TU		Tuberal nucleus	290	226 LPO		Lateral preoptic area	290	
187 GU5		Gustatory areas, layer 5	1057	662 GU6b		Gustatory areas, layer 6b	1057	
41 VISpm2/3		posteriormedial visual area, layer 2/3	533	565 VISpm5		posteriormedial visual area, layer 5	533	
303 BLAa		Basolateral amygdalar nucleus, anterior part	295	451 BLAv		Basolateral amygdalar nucleus, ventral part	295	
654 SSP-n4		Primary somatosensory area, nose, layer 4	353	838 SSP-n2/3		Primary somatosensory area, nose, layer 2/3	353	
266 Lsv		Lateral septal nucleus, ventral part	242	258 LSr		Lateral septal nucleus, rostral (rostroventral) part	242	
304 PL2/3		Prelimbic area, layer 2/3	972	363 PLS		Prelimbic area, layer 5	972	
646 DP5		Dorsal peduncular area, layer 5	814	360 DP2/3		Dorsal peduncular area, layer 2/3	814	
412 ORB12/3		Orbital area, lateral part, layer 2/3	723	448 ORB1		Orbital area, lateral part, layer 1	723	
616 CUN		Cuneiform nucleus	323	757 VTN		Ventral tegmental nucleus	323	
772 ACAv5		Anterior cingulate area, ventral part, layer 5	48	588 ACAv1		Anterior cingulate area, ventral part, layer 1	48	
286 SCH		Suprachiasmatic nucleus	141	347 SBPV		Subparaventricular zone	141	
486 CA3so		Field CA3, stratum oriens	463	471 CA3slm		Field CA3, stratum lacunosum-moleculare	463	
1075 TTV2		Taenia tecta, ventral part, layer 2	605	1082 TTV3		Taenia tecta, ventral part, layer 3	605	
692 PER15		Perirhinal area, layer 5	922	335 PER16a		Perirhinal area, layer 6a	922	
501 VISpm4		posteriormedial visual area, layer 4	533	565 VISpm5		posteriormedial visual area, layer 5	533	
233 VISal5		Anterolateral visual area, layer 5	402	649 VISal6b		Anterolateral visual area, layer 6b	402	
233 VISal5		Anterolateral visual area, layer 5	402	601 VISal6a		Anterolateral visual area, layer 6a	402	
520 AUDv6a		Ventral auditory area, layer 6a	1018	598 AUDv6b		Ventral auditory area, layer 6b	1018	
1045 ECT6b		Ectorhinal area/Layer 6b	895	977 ECT6a		Ectorhinal area/Layer 6a	895	
52 ENT13		Entorhinal area, lateral part, layer 3	918	715 ENT12a		Entorhinal area, lateral part, layer 2a	918	

473 OT3	Olfactory tubercle, polymorph layer	754	481 isl	Islands of Calleja	754
712 ENTm4	Entorhinal area, medial part, dorsal zone, layer 4	926	664 ENTm3	Entorhinal area, medial part, dorsal zone, layer 3	926
883 PBls	Parabrachial nucleus, lateral division, superior lateral part	881	891 PBlv	Parabrachial nucleus, lateral division, ventral lateral part	881
471 CA3slm	Field CA3, stratum lacunosum-moleculare	463	495 CA3sp	Field CA3, pyramidal layer	463
670 SSP-tr2/3	Primary somatosensory area, trunk, layer 2/3	361	461 SSP-tr6b	Primary somatosensory area, trunk, layer 6b	361
872 DR	Dorsal nucleus raphe	165	591 CLI	Central linear nucleus raphe	165
460 MEV	Midbrain trigeminal nucleus	339	580 NB	Nucleus of the brachium of the inferior colliculus	339
537 BSTal	Bed nuclei of the stria terminalis, anterior division, anterolateral area	359	498 BSTam	Bed nuclei of the stria terminalis, anterior division, anteromedial area	359
1094 SSP-II4	Primary somatosensory area, lower limb, layer 4	337	510 SSP-II6b	Primary somatosensory area, lower limb, layer 6b	337
162 LDT	Laterodorsal tegmental nucleus	1117	358 SLD	Sublaterodorsal nucleus	1117
162 LDT	Laterodorsal tegmental nucleus	1117	238 RPO	Nucleus raphe pontis	1117
757 VTN	Ventral tegmental nucleus	323	749 VTA	Ventral tegmental area	323
757 VTN	Ventral tegmental nucleus	323	246 RR	Midbrain reticular nucleus, retrorubral area	323
757 VTN	Ventral tegmental nucleus	323	214 RN	Red nucleus	323
889 SSP-n6a	Primary somatosensory area, nose, layer 6a	353	702 SSP-n5	Primary somatosensory area, nose, layer 5	353
149 PVT	Paraventricular nucleus of the thalamus	571	15 PT	Parataenial nucleus	571
604 NI	Nucleus incertus	1117	358 SLD	Sublaterodorsal nucleus	1117
307 MARN	Magnocellular reticular nucleus	370	661 VII	Facial motor nucleus	370
907 PCN	Paracentral nucleus	51	599 CM	Central medial nucleus of the thalamus	51
649 VISal6b	Anterolateral visual area, layer 6b	402	601 VISal6a	Anterolateral visual area, layer 6a	402
724 AHNp	Anterior hypothalamic nucleus, posterior part	88	708 AHNc	Anterior hypothalamic nucleus, central part	88
591 CLI	Central linear nucleus raphe	165	100 IPN	Interpeduncular nucleus	165
487 MEApd-c	Medial amygdalar nucleus, posterodorsal part, sublayer c	426	480 MEApd-b	Medial amygdalar nucleus, posterodorsal part, sublayer b	426
232 COapl3	Cortical amygdalar area, posterior part, lateral zone, layer 3	655	224 COapl2	Cortical amygdalar area, posterior part, lateral zone, layer 2	655
377 VISpl6a	Postero-lateral visual area, layer 6a	425	902 VISpl5	Postero-lateral visual area, layer 5	425
454 CA2sr	Field CA2, stratum radiatum	423	446 CA2sp	Field CA2, pyramidal layer	423
1113 IAD	Interanterodorsal nucleus of the thalamus	239	155 LD	Lateral dorsal nucleus of thalamus	239
503 SCig-b	Superior colliculus, motor related, intermediate gray layer, sublayer b	10	511 SCig-c	Superior colliculus, motor related, intermediate gray layer, sublayer c	10
634 NPC	Nucleus of the posterior commissure	1100	215 APN	Anterior pretectal nucleus	1100
613 VIS15	Lateral visual area, layer 5	409	421 VIS1	Lateral visual area, layer 1	409
56 ACB	Nucleus accumbens	493	998 FS	Fundus of striatum	493
578 BSTpr	Bed nuclei of the stria terminalis, posterior division, principal nucleus	367	585 BSTif	Bed nuclei of the stria terminalis, posterior division, interfascicular nucleus	367
676 DMHIp	Dorsomedial nucleus of the hypothalamus, posterior part	830	668 DMHa	Dorsomedial nucleus of the hypothalamus, anterior part	830
360 DP2/3	Dorsal peduncular area, layer 2/3	814	496 DP1	Dorsal peduncular area, layer 1	814
479 CA3slu	Field CA3, stratum lucidum	463	495 CA3sp	Field CA3, pyramidal layer	463
511 SCig-c	Superior colliculus, motor related, intermediate gray layer, sublayer c	10	494 SCig-a	Superior colliculus, motor related, intermediate gray layer, sublayer a	10
778 VISp5	Primary visual area, layer 5	385	721 VISp4	Primary visual area, layer 4	385
310 SF	Septofimbrial nucleus	275	333 SH	Septohippocampal nucleus	275
638 GU6a	Gustatory areas, layer 6a	1057	662 GU6b	Gustatory areas, layer 6b	1057
764 ENTl2b	Entorhinal area, lateral part, layer 2b	918	715 ENTl2a	Entorhinal area, lateral part, layer 2a	918
1046 VISam6a	Anteromedial visual area, layer 6a	394	441 VISam6b	Anteromedial visual area, layer 6b	394
668 DMHIp	Dorsomedial nucleus of the hypothalamus, anterior part	830	684 DMHv	Dorsomedial nucleus of the hypothalamus, ventral part	830
1127 TEa2/3	Temporal association areas, layer 2/3	541	234 TEa4	Temporal association areas, layer 4	541
875 PBle	Parabrachial nucleus, lateral division, external lateral part	881	891 PBlv	Parabrachial nucleus, lateral division, ventral lateral part	881
1096 AMD	Anteromedial nucleus, dorsal part	127	1104 AMv	Anteromedial nucleus, ventral part	127
440 ORB16a	Orbital area, lateral part, layer 6a	723	630 ORB15	Orbital area, lateral part, layer 5	723